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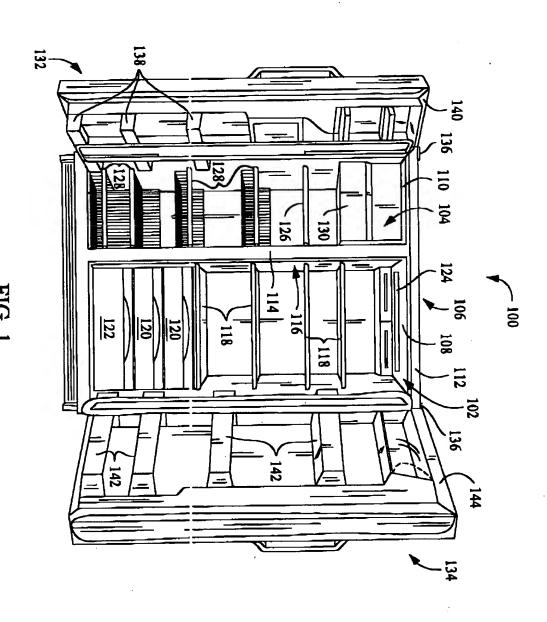
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Atty. Dkt. No.: 9D-HR-19396
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St. Louis, MO 63102 (314) 621-5070



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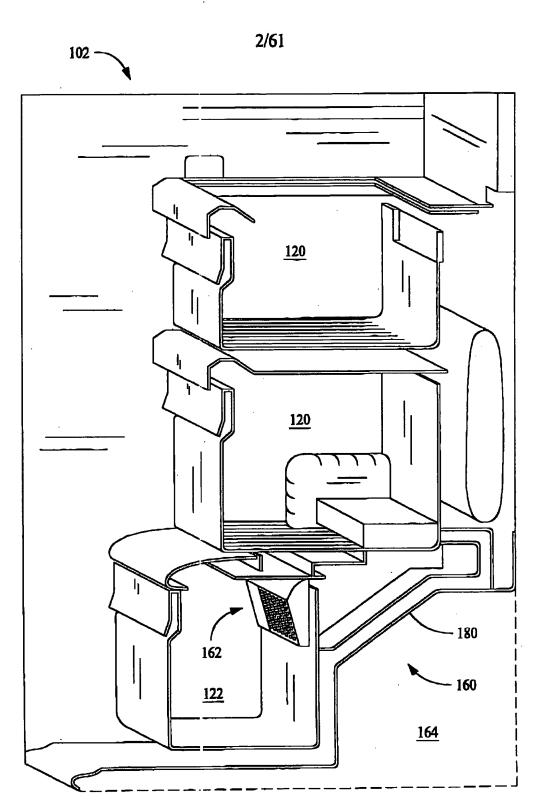


FIG. 2

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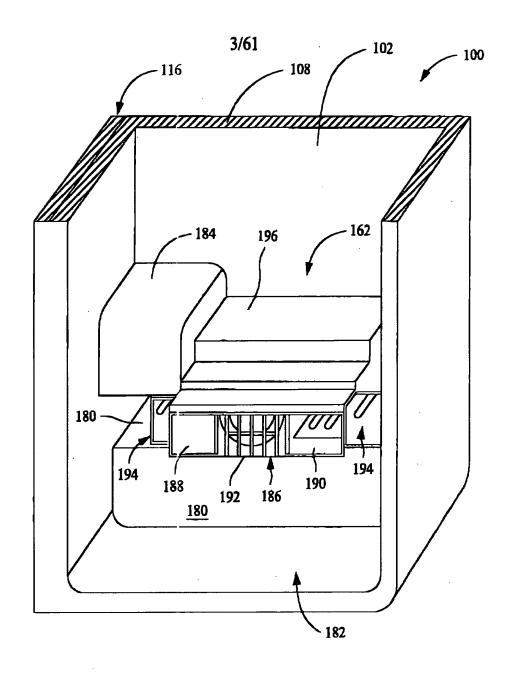


FIG. 3

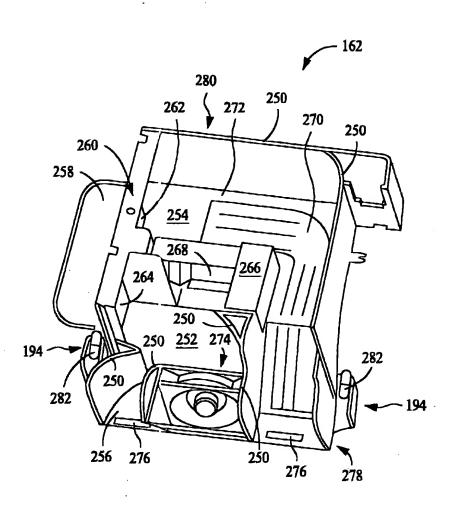
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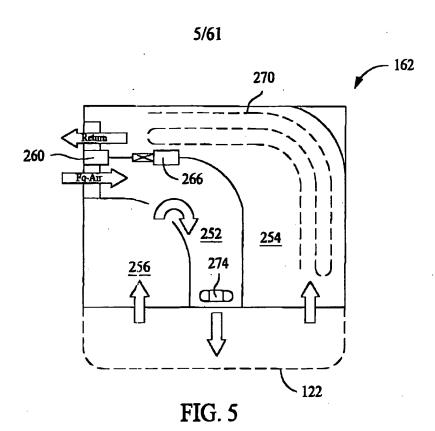
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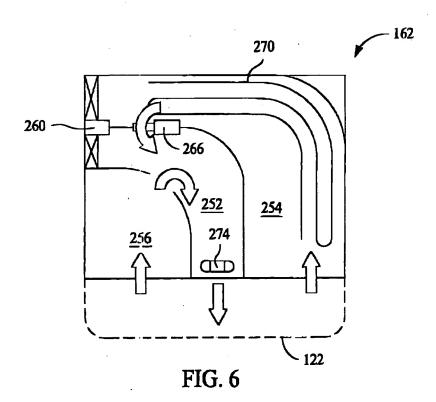
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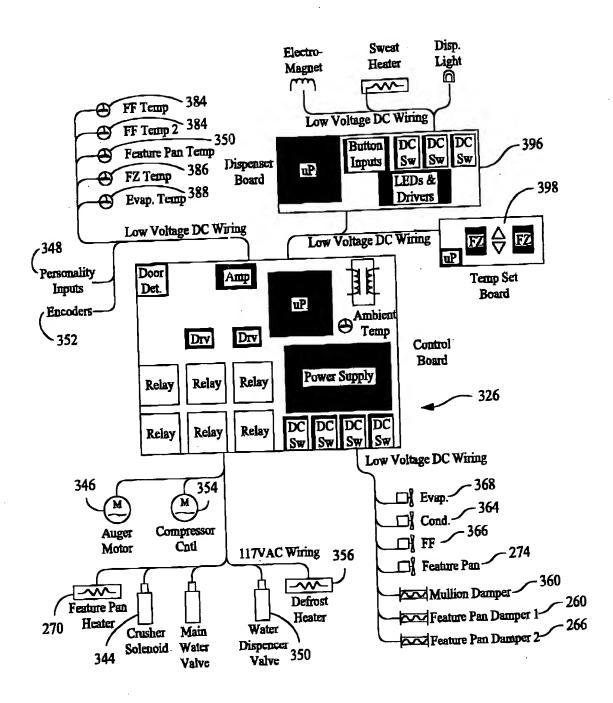
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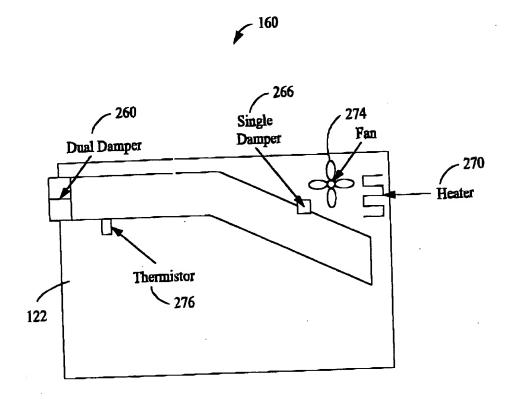


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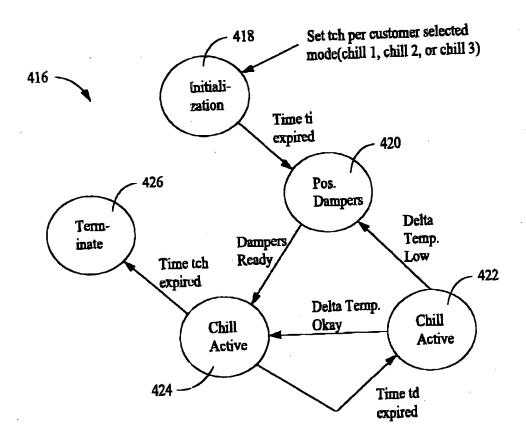
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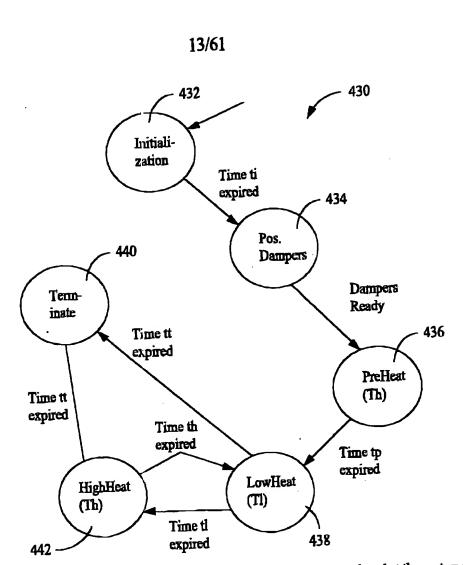


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Initialization: Shuts off heater and turns on fan. This mode is implemented so that the customer interface LED that is wired in parallel with the fan will turn on as soon as the button is hit. Time ti is the initialization time and will typically be approximately one minute.

Pos. Dampers: This state shuts off the fan, sets the single damper open then closes the dual damper. It then turns the fan back on. This is done for power management

PreHeat. This state regulates the pan temperature

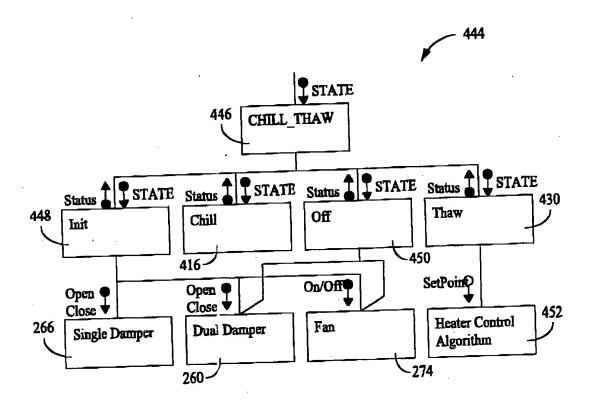
LowHeat

HighHeat:

Terminate: This mode closes both dampers and shuts off the fan then returns to idle.

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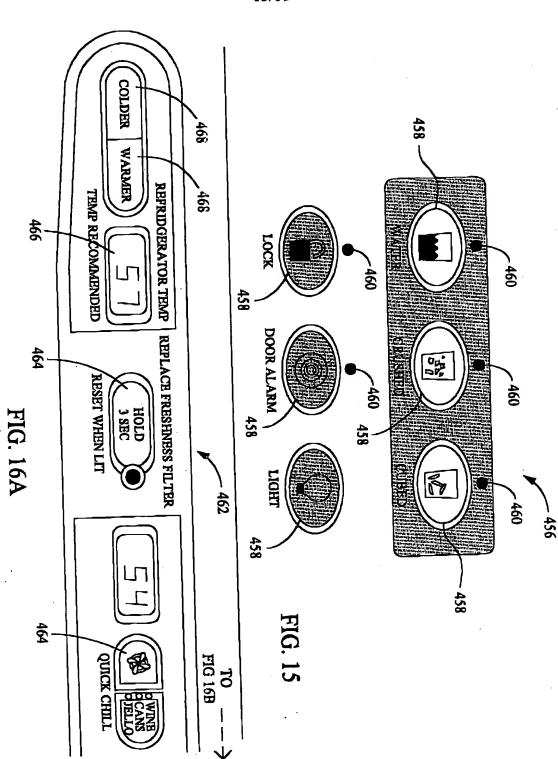
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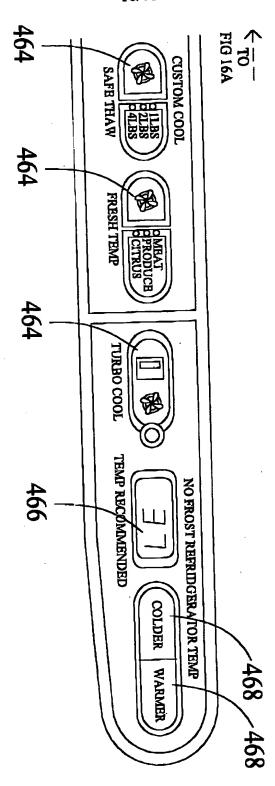
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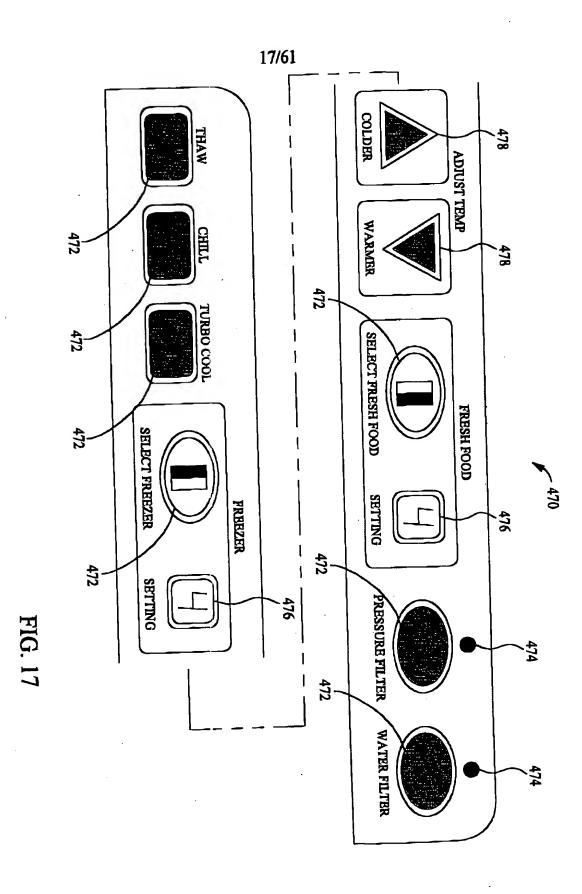


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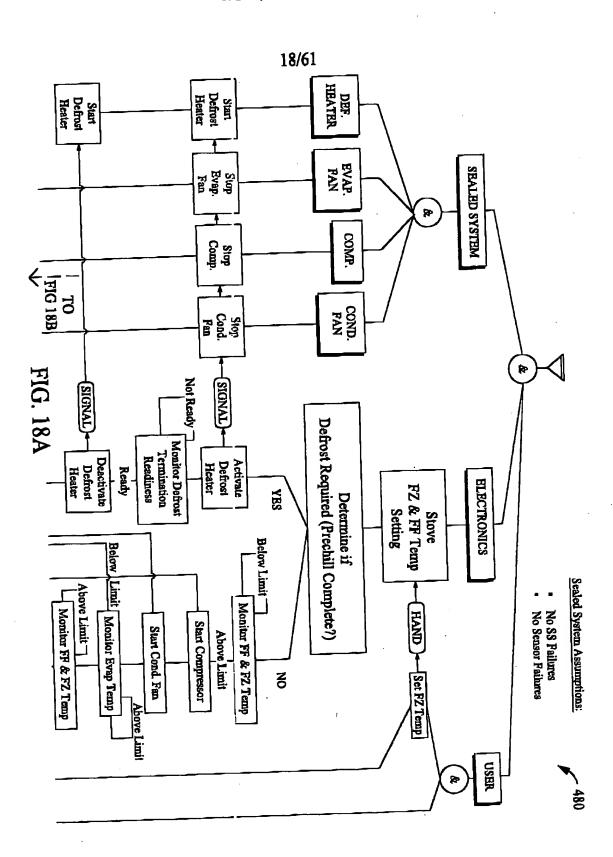
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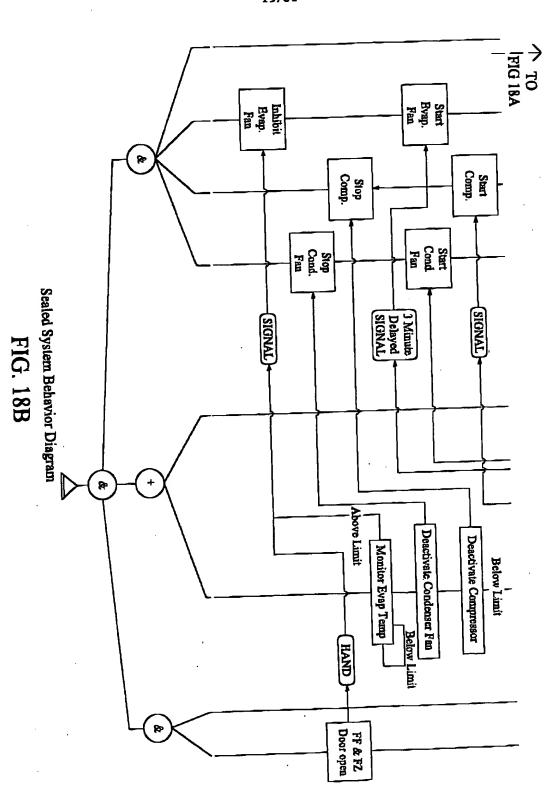


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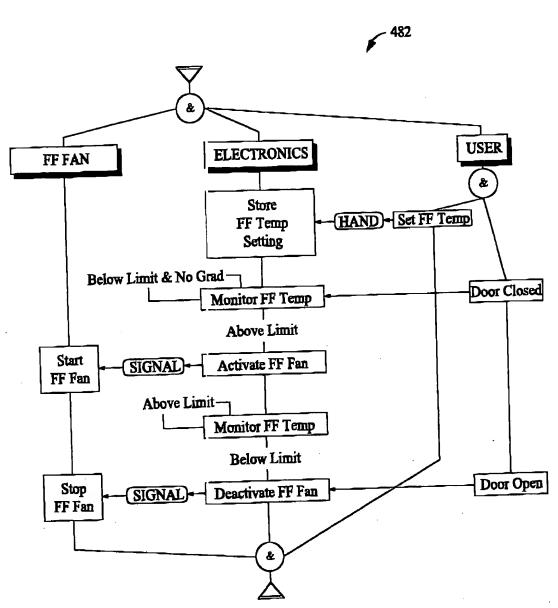
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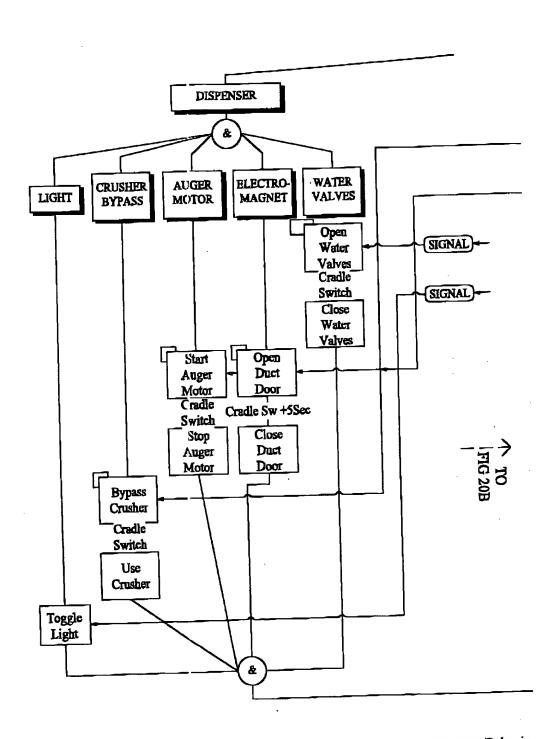
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Fresh Food Fan Behavior Diagram

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Dispenser Behavior

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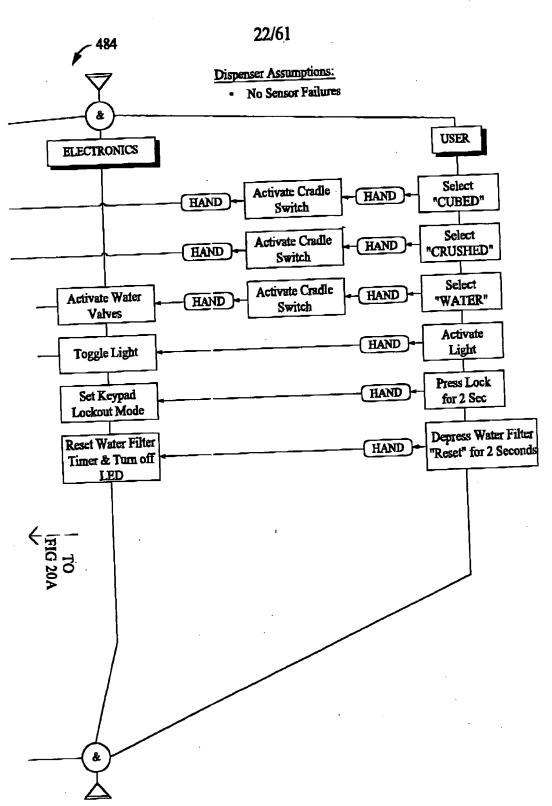
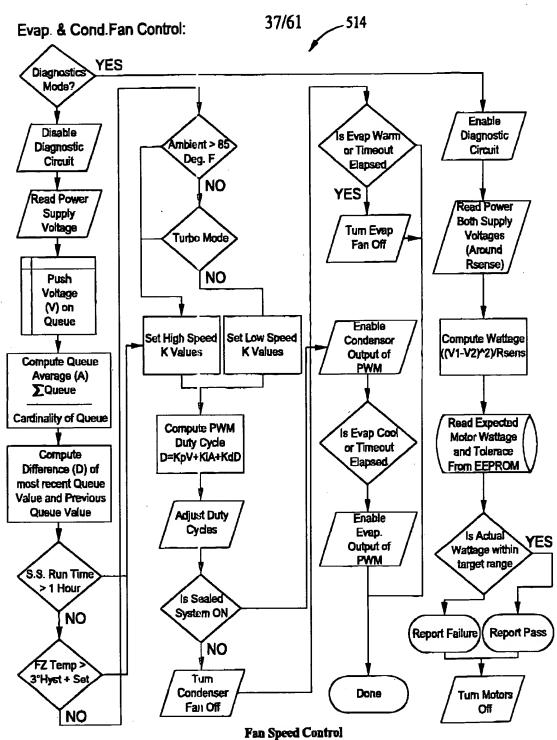


FIG. 20B

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Notes: 1. The FF & Evaporator fans will shut off for the first five minutes that the door is open

2. Only one fan at a time can be on at a time during diagnostics.

3. Once the fan has been switched to high speed, it remains in that state until the operational cycle is complete. $FIG.\ 35$

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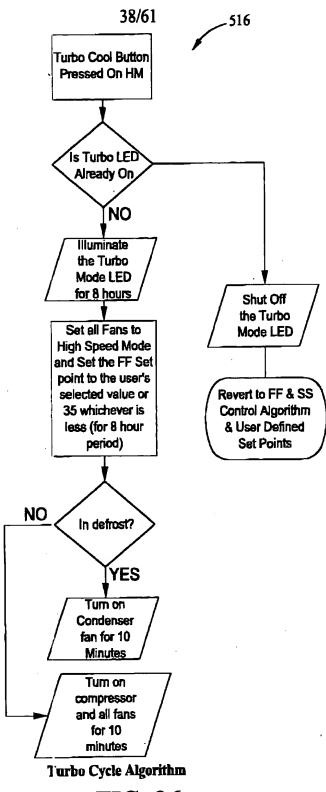
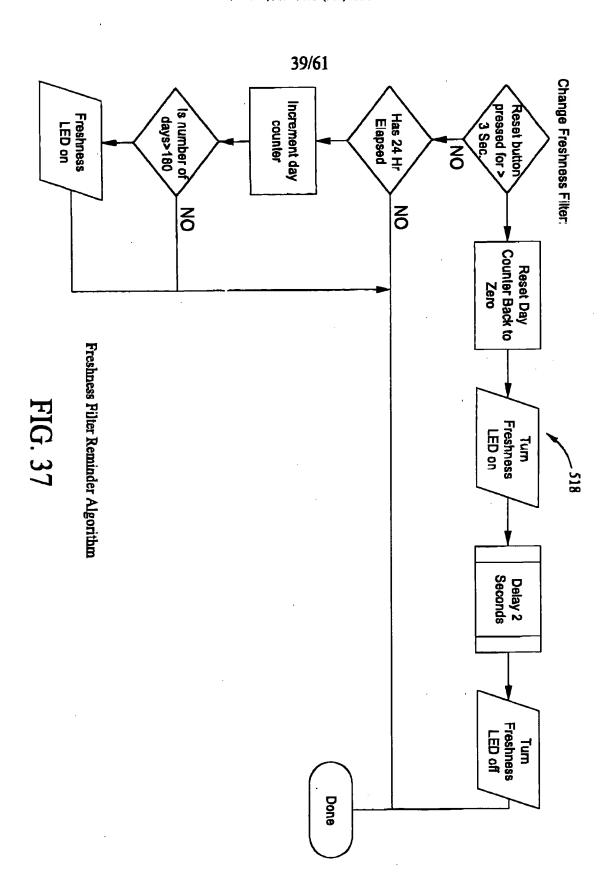
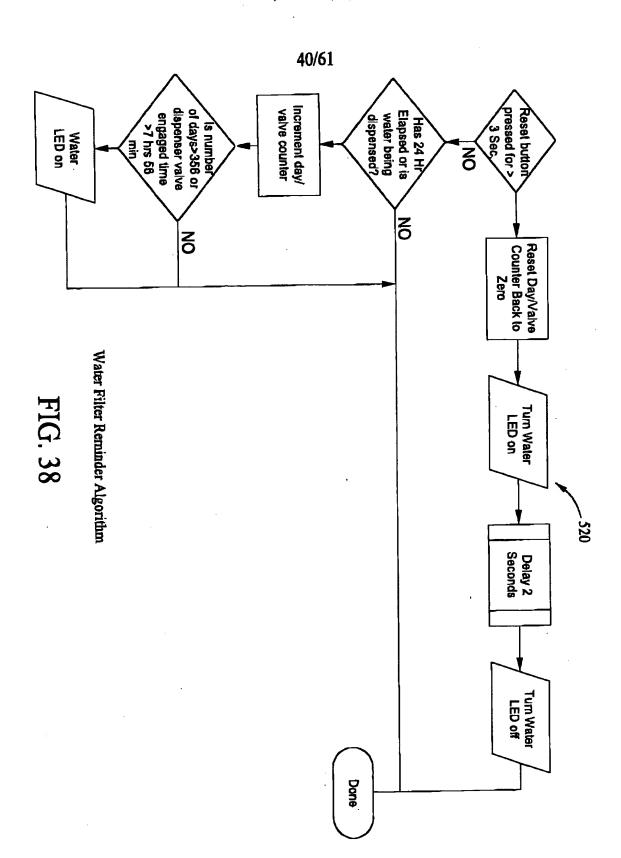


FIG. 36

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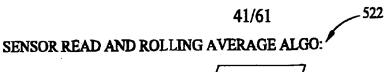


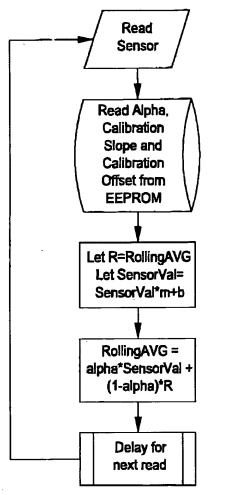
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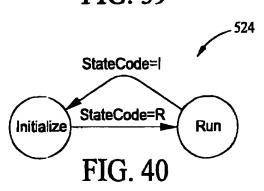


NOTE:

Sensor Reading Algorithm

Fresh food average uses this algorithm twice to create a 2nd pole filter.

FIG. 39



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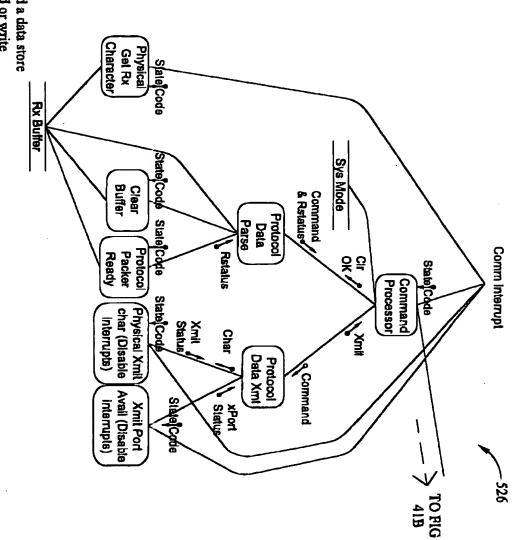
Note: Any Routine is allowed to read a data store

The command processor can read or write

any data store.

Dashed line indicates a path for initialization only

FIG. 41A



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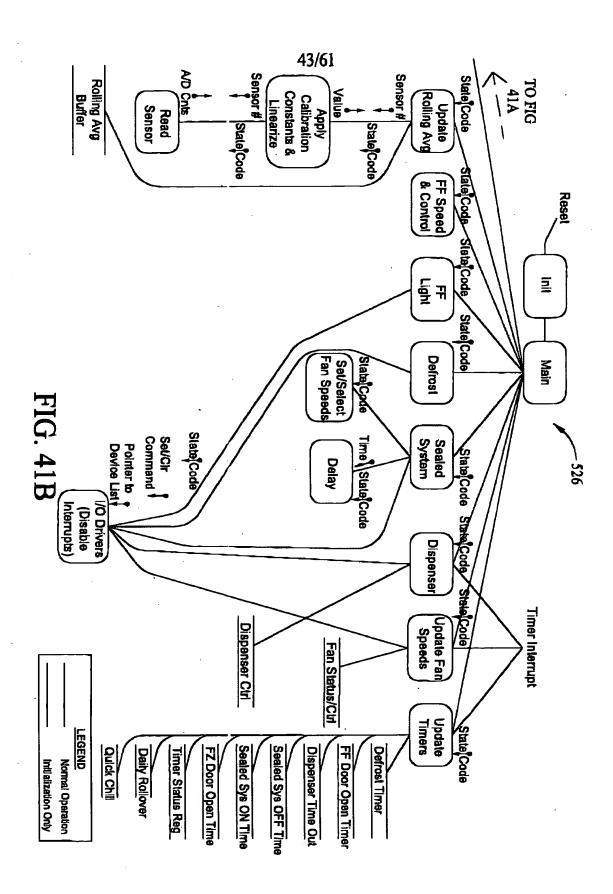
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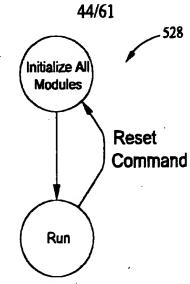
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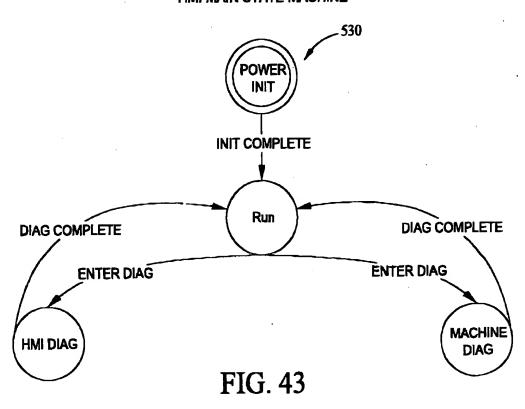
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State Diagram For Main Control

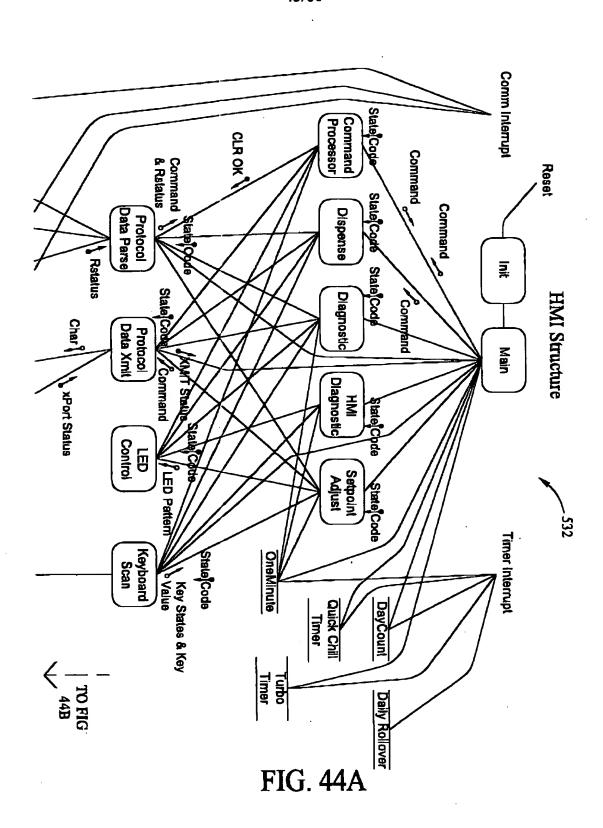
FIG. 42

HMI MAIN STATE MACHINE



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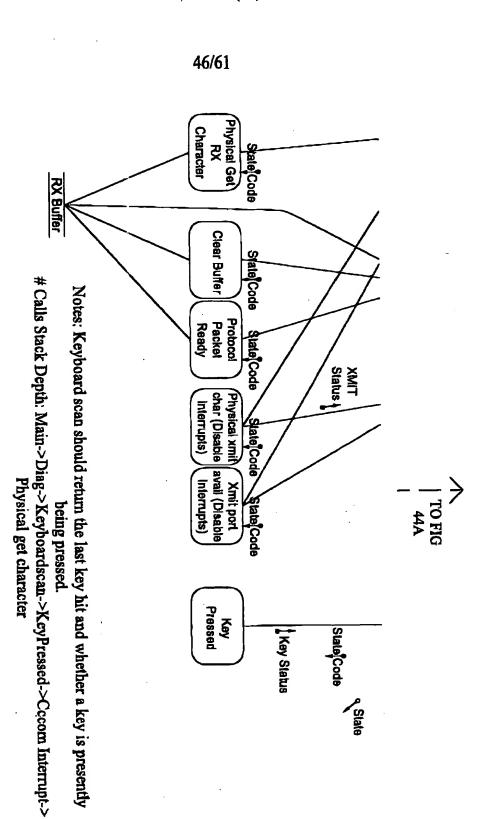
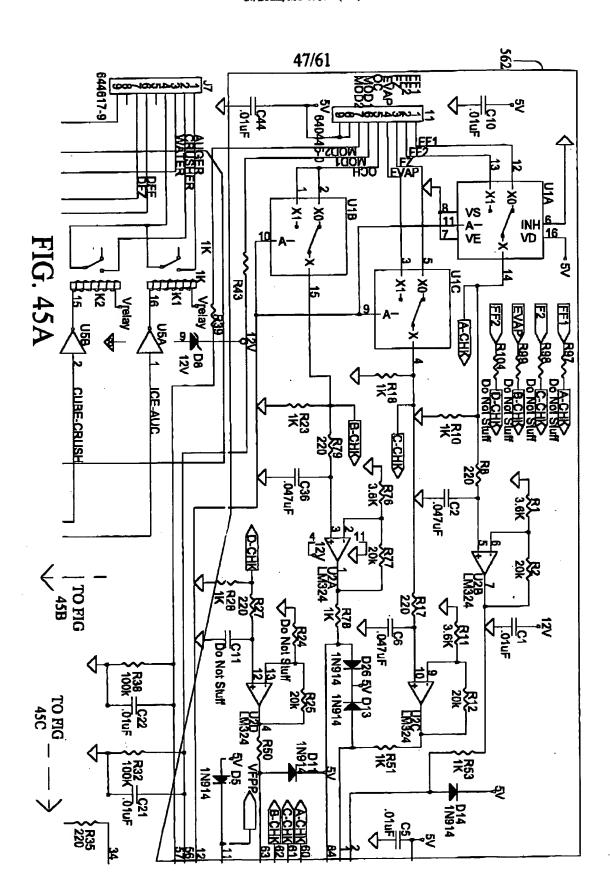


FIG. 44B

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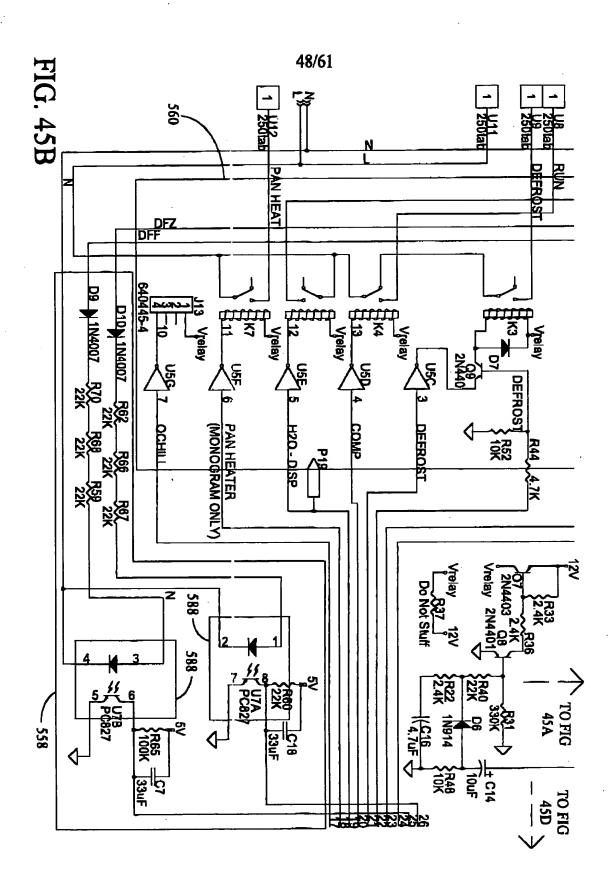
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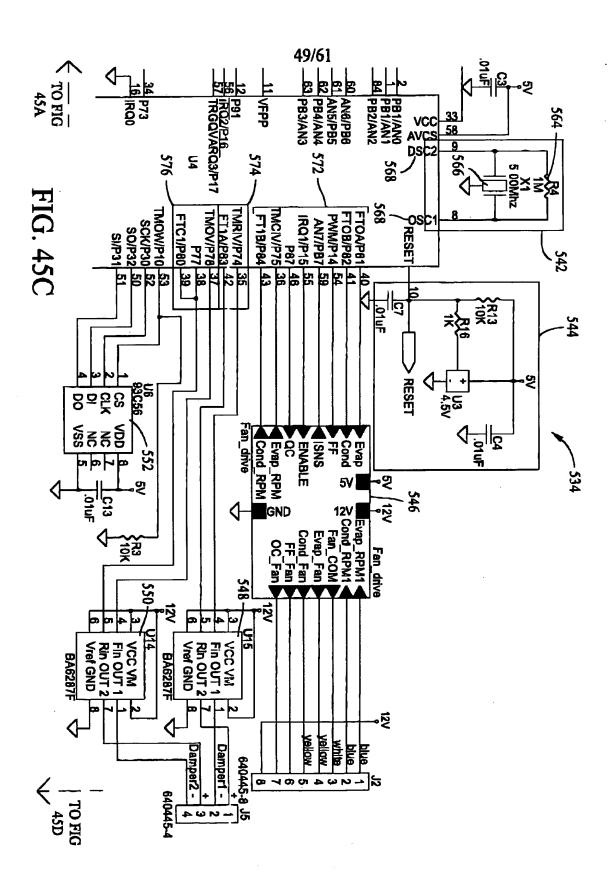
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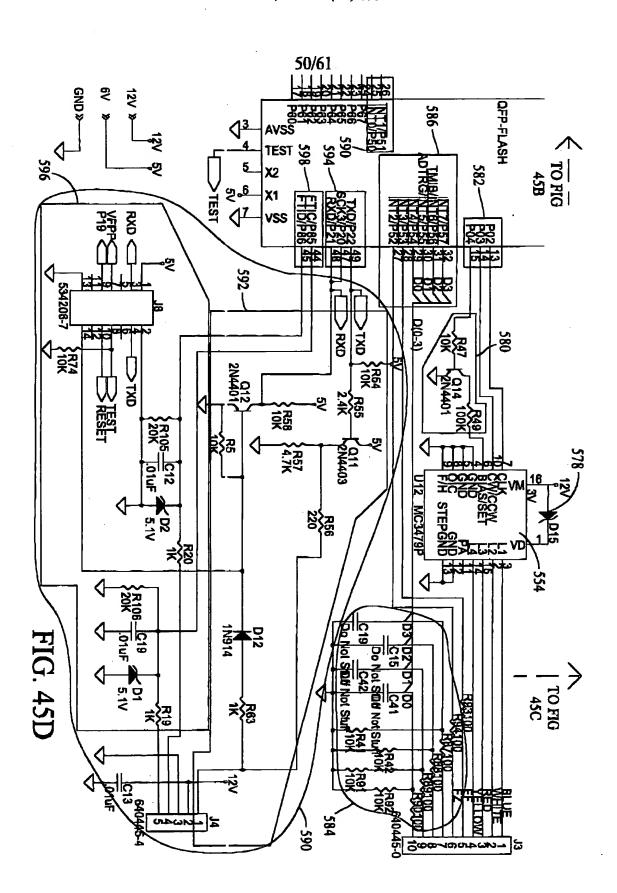
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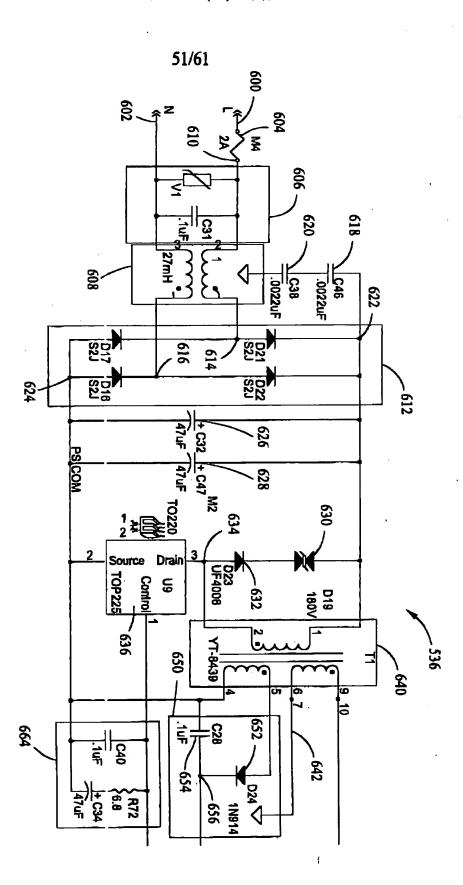


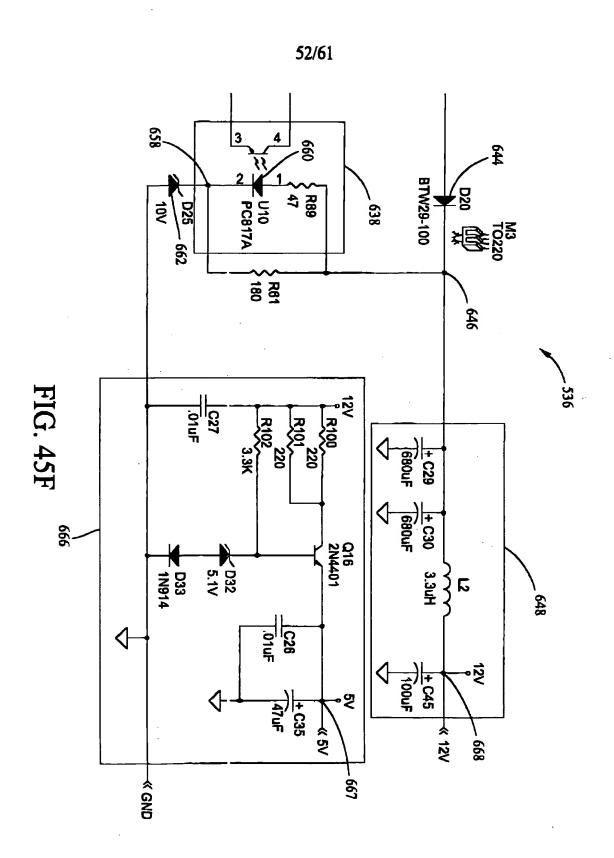
FIG. 45E

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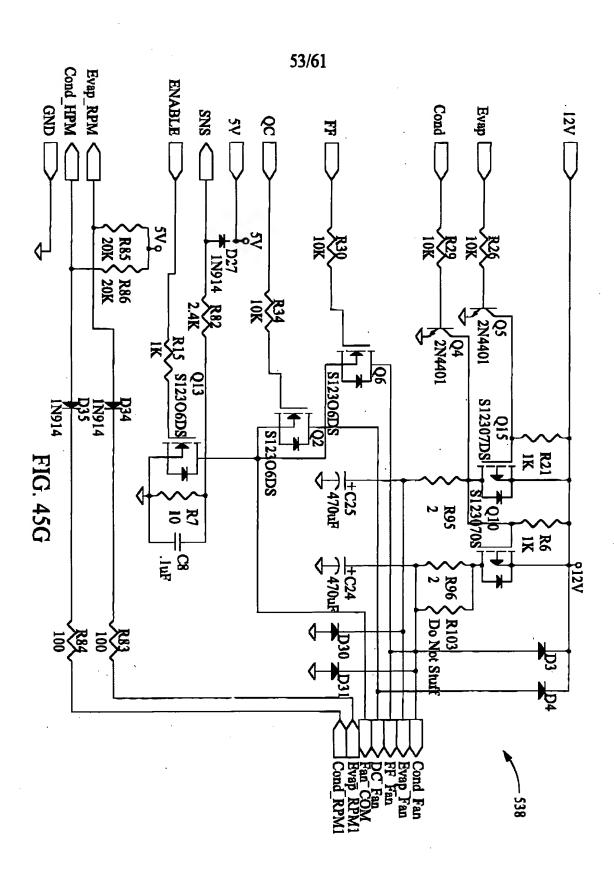
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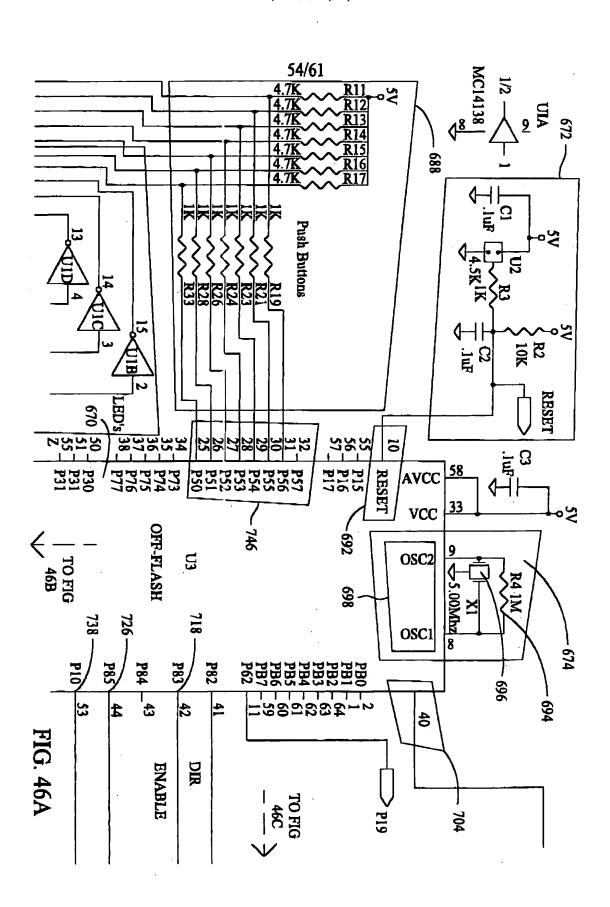


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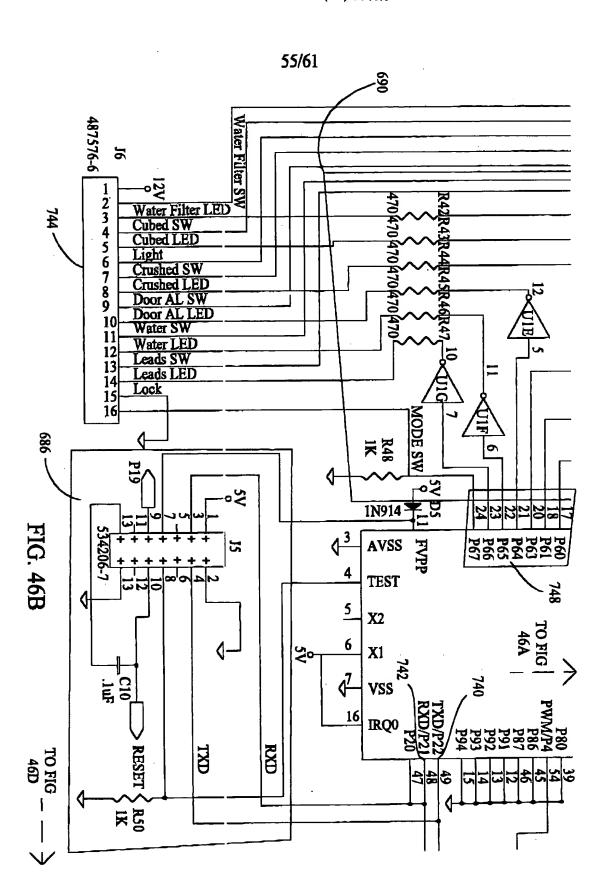
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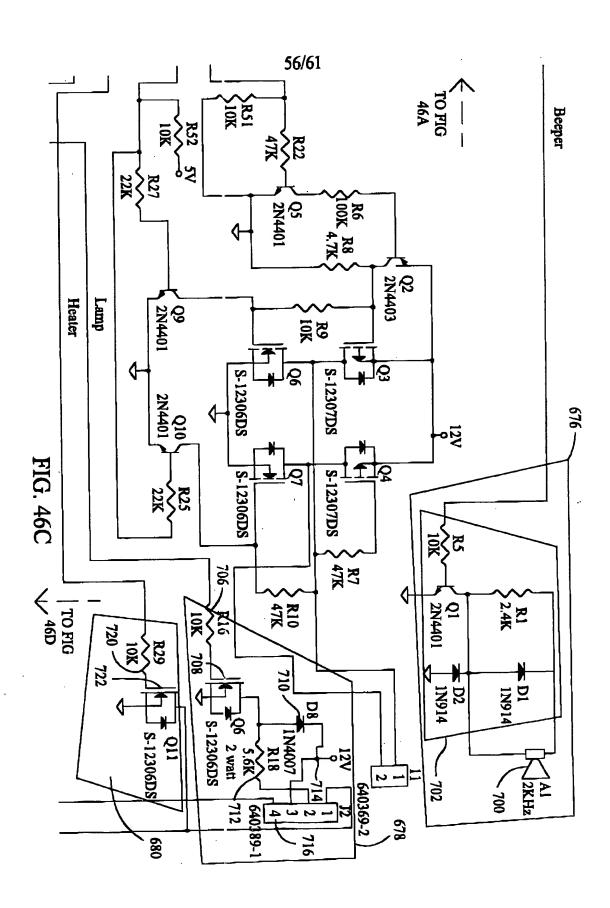
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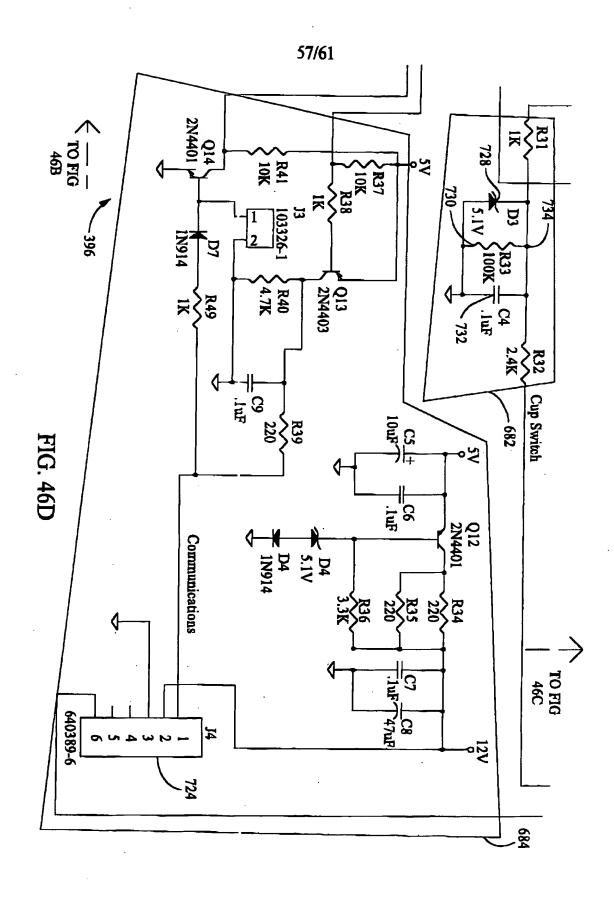
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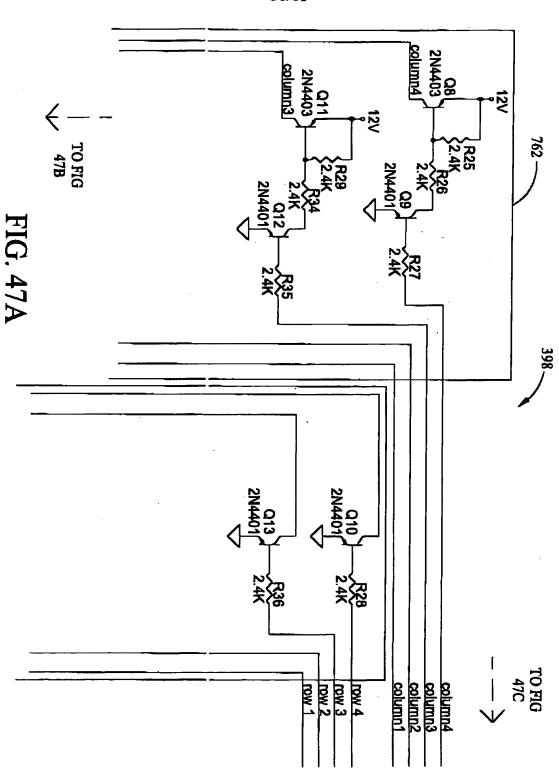
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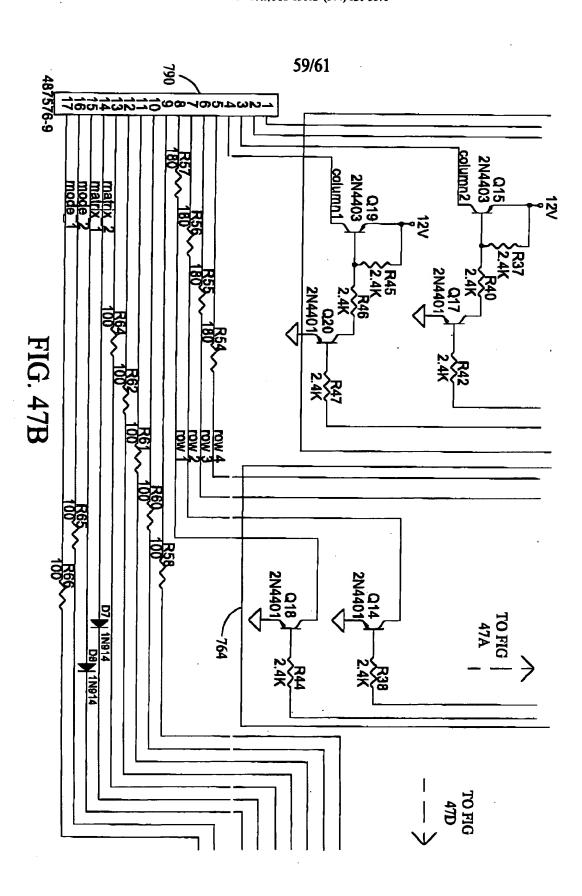
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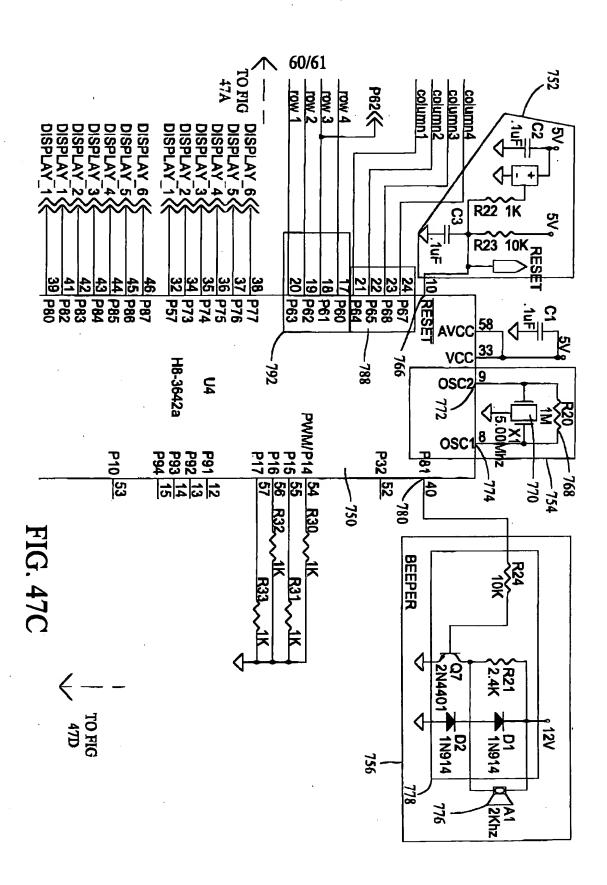


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